

PROPOSED

[Issuance Date]

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

05-XXE CAB
File No. 0464-01

Mr. John Romanowski
Vice President
Jas. W. Glover, Ltd.
P. O. Box 579
Honolulu, Hawaii 96809

Dear Mr. Romanowski:

Subject: Covered Source Permit (CSP) No. 0464-01-C
Application for Renewal and Modification No. 0464-04
Jas. W. Glover, Ltd.
Portable 300 TPH Asphalt Concrete Plant with a
455 kW Primary Diesel Engine Generator, and 650 kW and
810 kW Temporary Replacement Diesel Engine Generators
Located at: Kaumualii Highway at Halfway Bridge, Puhi, Kauai
Date of Expiration: [Five Year Period from Issuance Date]

The subject Covered Source Permit is issued in accordance with Hawaii Administrative Rules (HAR), Title 11, Chapter 60.1. The issuance of this permit is based on the plans, specifications, and additional information that you submitted as part of your application dated June 3, 2004; and supplemental information submitted on March 10, March 30, April 7, 2005 and May 23, 2005.

The Covered Source Permit is issued subject to the conditions/requirements set forth in the following Attachments:

Attachment I: Standard Conditions
Attachment II: Special Conditions - Portable 300 TPH Asphalt Concrete Plant
Attachment II - INSIG: Special Conditions - Insignificant Activities
Attachment III: Annual Fee Requirements
Attachment IV: Annual Emissions Reporting Requirements

The forms for submission are as follows:

Compliance Certification Form
Annual Emissions Report Form: Asphalt Plant Production
Monitoring Report Form: Operating Hours and Fuel Certification - Asphalt Plant
Monitoring Report Form: Visible Emissions

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Also enclosed for your use are the Visible Emissions Observation Form Requirements and the attendant Visible Emissions Observation Form.

This permit: (a) shall not in any manner affect the title of the premises upon which the equipment is to be located; (b) does not release the permittee from any liability for any loss due to personal injury or property damage caused by, resulting from or arising out of the design, installation, maintenance, or operation of the equipment; and (c) in no manner implies or suggests that the Hawaii Department of Health, or its officers, agents, or employees, assumes any liability, directly or indirectly, for any loss due to personal injury or property damage caused by, resulting from or arising out of the design, installation, maintenance, or operation of the equipment.

Sincerely,

THOMAS E. ARIZUMI, P.E., CHIEF
Environmental Management Division

WK:lk

Enclosures

c: Jim Morrow, Environmental Consultant
Rodney Yama, EHS - Kauai
CAB Monitoring Section

**ATTACHMENT I: STANDARD CONDITIONS
COVERED SOURCE PERMIT NO. 0464-01-C**

[Issuance Date]

[Expiration Date]

This permit is granted in accordance with the Hawaii Administrative Rules (HAR), Title 11, Chapter 60.1, Air Pollution Control, and is subject to the following standard conditions:

1. Unless specifically identified, the terms and conditions contained in this permit are consistent with the applicable requirement, including form, on which each term or condition is based.

(Auth.: HAR §11-60.1-90)
2. This permit, or a copy thereof, shall be maintained at or near the source and shall be made available for inspection upon request. The permit shall not be willfully defaced, altered, forged, counterfeited, or falsified.

(Auth.: HAR §11-60.1-6; SIP §11-60-11)²
3. This permit is not transferable whether by operation of law or otherwise, from person to person, from place to place, or from one piece of equipment to another without the approval of the Department of Health, except as provided in HAR, Section 11-60.1-91.

(Auth.: HAR §11-60.1-7; SIP §11-60-9)²
4. A request for transfer from person to person shall be made on forms furnished by the Department of Health.

(Auth.: HAR §11-60.1-7)
5. In the event of any changes in control or ownership of the facilities to be constructed or modified, this permit shall be binding on all subsequent owners and operators. The permittee shall notify the succeeding owner and operator of the existence of this permit and its conditions by letter, copies of which will be forwarded to the Department of Health and the Regional Administrator for the U.S. Environmental Protection Agency (EPA).

(Auth.: HAR §11-60.1-5, §11-60.1-7, §11-60.1-94)
6. The facility covered by this permit shall be constructed and operated in accordance with the application, and any information submitted as part of the application, for the Covered Source Permit. There shall be no deviation unless additional or revised plans are submitted to and approved by the Department of Health, and the permit is amended to allow such deviation.

(Auth.: HAR §11-60.1-2, §11-60.1-4, §11-60.1-82, §11-60.1-84, §11-60.1-90)

7. This permit (a) does not release the permittee from compliance with other applicable statutes of the State of Hawaii, or with applicable local laws, regulations, or ordinances, and (b) shall not constitute, nor be construed to be an approval of the design of the covered source.

(Auth.: HAR §11-60.1-5, §11-60.1-82)

8. The permittee shall comply with all the terms and conditions of this permit. Any permit noncompliance constitutes a violation of HAR, Chapter 11-60.1 and the Clean Air Act and is grounds for enforcement action; for permit termination, suspension, reopening, or amendment; or for denial of a permit renewal application.

(Auth.: HAR §11-60.1-3, §11-60.1-10, §11-60.1-19, §11-60.1-90)

9. If any term or condition of this permit becomes invalid as a result of a challenge to a portion of this permit, the other terms and conditions of this permit shall not be affected and shall remain valid.

(Auth.: HAR §11-60.1-90)

10. The permittee shall not use as a defense in an enforcement action that it would have been necessary to halt or reduce the permitted activity to maintain compliance with the terms and conditions of this permit.

(Auth.: HAR §11-60.1-90)

11. This permit may be terminated, suspended, reopened, or amended for cause pursuant to HAR, Sections 11-60.1-10 and 11-60.1-98, and Hawaii Revised Statutes (HRS), Chapter 342B-27, after affording the permittee an opportunity for a hearing in accordance with HRS, Chapter 91.

(Auth.: HAR §11-60.1-3, §11-60.1-10, §11-60.1-90, §11-60.1-98)

12. The filing of a request by the permittee for the termination, suspension, reopening, or amendment of this permit, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

(Auth.: HAR §11-60.1-90)

13. This permit does not convey any property rights of any sort, or any exclusive privilege.

(Auth.: HAR §11-60.1-90)

14. The permittee shall notify the Department of Health in writing of the following dates:
- a. The **anticipated date of initial start-up** for each emission unit of a new source or significant modification not more than sixty (60) days or less than thirty (30) days prior to such date;
 - b. The **actual date of construction commencement** within fifteen (15) days after such date; and
 - c. The **actual date of start-up** within fifteen (15) days after such date.

(Auth.: HAR §11-60.1-90)

15. The permittee shall furnish, in a timely manner, any information or records requested in writing by the Department of Health to determine whether cause exists for terminating, suspending, reopening, or amending this permit, or to determine compliance with this permit. Upon request, the permittee shall also furnish to the Department of Health copies of records required to be kept by the permittee. For information claimed to be confidential, the Director of Health may require the permittee to furnish such records not only to the Department of Health but also directly to the U.S. EPA Administrator along with a claim of confidentiality.

(Auth.: HAR §11-60.1-14, §11-60.1-90)

16. The permittee shall notify the Department of Health in writing, of the **intent to shut down air pollution control equipment for necessary scheduled maintenance** at least twenty-four (24) hours prior to the planned shutdown. The submittal of this notice shall not be a defense to an enforcement action. The notice shall include the following:
- a. Identification of the specific equipment to be taken out of service, as well as its location and permit number;
 - b. The expected length of time that the air pollution control equipment will be out of service;
 - c. The nature and quantity of emissions of air pollutants likely to be emitted during the shutdown period;
 - d. Measures such as the use of off-shift labor and equipment that will be taken to minimize the length of the shutdown period; and
 - e. The reasons why it would be impossible or impractical to shut down the source operation during the maintenance period.

(Auth.: HAR §11-60.1-15; SIP §11-60-16)²

17. **Except for emergencies which result in noncompliance with any technology-based emission limitation in accordance with HAR, Section 11-60.1-16.5, in the event any emission unit, air pollution control equipment, or related equipment malfunctions or breaks down in such a manner as to cause the emission of air pollutants in violation of HAR, Chapter 11-60.1 or this permit,** the permittee shall immediately notify the Department of Health of the malfunction or breakdown, unless the protection of personnel or public health or safety demands immediate attention to the malfunction or breakdown and makes such notification infeasible. In the latter case, the notice shall be provided as soon as practicable. Within five (5) working days of this initial notification, the permittee shall also submit, in writing, the following information:
- a. Identification of each affected emission point and each emission limit exceeded;
 - b. Magnitude of each excess emission;
 - c. Time and duration of each excess emission;
 - d. Identity of the process or control equipment causing the excess emission;
 - e. Cause and nature of each excess emission;
 - f. Description of the steps taken to remedy the situation, prevent a recurrence, limit the excessive emissions, and assure that the malfunction or breakdown does not interfere with the attainment and maintenance of the National Ambient Air Quality Standards and state ambient air quality standards;
 - g. Documentation that the equipment or process was at all times maintained and operated in a manner consistent with good practice for minimizing emissions; and
 - h. A statement that the excess emissions are not part of a recurring pattern indicative of inadequate design, operation, or maintenance.

The submittal of these notices shall not be a defense to an enforcement action.

(Auth.: HAR §11-60.1-16; SIP §11-60-16)²

18. A copy of applicable correspondence or records submitted to the Department of Health shall be provided to the U.S. EPA Administrator.

(Auth.: HAR §11-60.1-90)

19. The permittee may request confidential treatment of any records in accordance with HAR section 11-60.1-14.

(Auth.: HAR §11-60.1-14, §11-60.1-90)

20. This permit shall become invalid with respect to the authorized construction if construction is not commenced as follows:

- a. Within eighteen (18) months after the permit takes effect, is discontinued for a period of eighteen (18) months or more, or is not completed within a reasonable time.
- b. For phased construction projects, each phase shall commence construction within eighteen (18) months of the projected and approved commencement dates in the permit. This provision shall be applicable only if the projected and approved commencement dates of each construction phase are defined in Attachment II, Special Conditions, of this permit.

(Auth.: HAR §11-60.1-9, §11-60.1-90)

21. The Department of Health may extend the time periods specified in Standard Condition No. 20 upon a satisfactory showing that an extension is justified. Requests for an extension shall be submitted in writing to the Department of Health.

(Auth.: HAR §11-60.1-9, §11-60.1-90)

22. The permittee shall submit fees in accordance with HAR, Chapter 11-60.1, Subchapter 6.

(Auth.: HAR §11-60.1-90)

23. All certifications shall be in accordance with HAR, section 11-60.1-4.

(Auth.: HAR §11-60.1-4, HAR §11-60.1-90)

24. The permittee shall allow the Director of Health, the Regional Administrator for the U.S. EPA and/or an authorized representative, upon presentation of credentials or other documents required by law:

- a. To enter the premises where a source is located or emission-related activity is conducted, or where records must be kept under the conditions of this permit and inspect at reasonable times all facilities, equipment, including monitoring and air pollution control equipment, practices, operations, or records covered under the terms and conditions of this permit and request copies of records or copy records required by this permit; and
- b. To sample or monitor at reasonable times substances or parameters to ensure compliance with this permit or applicable requirements of HAR, Chapter 11-60.1.

(Auth.: HAR §11-60.1-11, §11-60.1-90)

25. Within thirty (30) days of **permanent discontinuance of the construction, modification, relocation, or operation of the facility covered by this permit**, the discontinuance shall be reported in writing to the Department of Health by a responsible official of the source.

(Auth.: HAR §11-60.1-8; SIP §11-60-10)²

26. Each permit renewal application shall be submitted to the Department of Health no less than twelve months and no more than eighteen months prior to the permit expiration date. The director may allow a permit renewal application to be submitted no less than six months prior to the permit expiration date, if the director determines that there is reasonable justification.

(Auth.: HAR §11-60.1-101, 40 CFR §70.5(a)(1)(iii))¹

27. The terms and conditions included in this permit, including any provision designed to limit a source's potential to emit, are federally enforceable unless such terms, conditions, or requirements are specifically designated as not federally enforceable.

(Auth.: HAR §11-60.1-93)

28. The compliance plan and compliance certification submittal requirements shall be in accordance with HAR, Sections 11-60.1-85 and 11-60.1-86. As specified in HAR, Section 11-60.1-86, the compliance certification shall be submitted to the Department of Health and the U.S. EPA Regional Administrator once per year, or more frequently as set by any applicable requirement.

(Auth.: HAR §11-60.1-90)

29. **Any document (including reports) required to be submitted by this permit shall be certified as being true, accurate, and complete by a responsible official in accordance with HAR, Sections 11-60.1-1 and 11-60.1-4, and shall be mailed to the following address:**

Clean Air Branch
Environmental Management Division
State of Hawaii Department of Health
P.O. Box 3378
Honolulu, HI 96801-3378

Upon request, all correspondence to the State of Hawaii Department of Health associated with this Covered Source Permit shall have duplicate copies forwarded to:

**Chief
Permits Office, (Attention: Air-3)
Air Division
U.S. Environmental Protection Agency
Region 9
75 Hawthorne Street
San Francisco, CA 94105**

(Auth.: HAR §11-60.1-4, §11-60.1-90)

30. To determine compliance with submittal deadlines for time-sensitive documents, the postmark date of the document shall be used. If the document was hand-delivered, the date received ("stamped") at the Clean Air Branch shall be used to determine the submittal date.

(Auth.: HAR §11-60.1-5, §11-60.1-90)

¹ The citations to the Code of Federal Regulations (CFR) identified under a particular condition, indicate that the permit condition complies with the specified provision(s) of the CFR. Due to the integration of the preconstruction and operating permit requirements, permit conditions may incorporate more stringent requirements than those set forth in the CFR.

² The citations to the State Implementation Plan (SIP) identified under a particular condition, indicate that the permit condition complies with the specified provision(s) of the SIP

**ATTACHMENT II: SPECIAL CONDITIONS
COVERED SOURCE PERMIT NO. 0464-01-C**

[Issuance Date]

[Expiration Date]

In addition to the standard conditions of the Covered Source Permit, the following special conditions shall apply to the permitted facility:

Section A. Equipment Description

1. The Portable 300 tph Asphalt Concrete Plant encompasses the following equipment and associated appurtenances:
 - a. Cold Feed Bins;
 - b. Aggregate Scalping Screen, (1999); SN 22966
 - c. Misc. conveyors;
 - d. 300 tph Counter Flow Drum Mixer, CMI Corp., (1999), model PTD-300/ SN 130, Counter Flow Drum Mixer, fired on diesel fuel oil no. 2;
 - e. Hot Oil Heater, CEI Enterprises Inc. (1999), model CEI-2000, SN N/A, 2.82 MMBtu/hr heat output, fired on diesel fuel oil no. 2 at 20 gal/hr;
 - f. Baghouse, CMI Corp. (1999), model RA3-18PTD, SN 210, 594 bags;
 - g. 95 ton capacity Mix Storage Silo;
 - h. 455 kW Primary Diesel Engine Generator (DEG), Caterpillar, model 3412, (1980s) SN 38S09660, fired on diesel fuel oil no. 2 at 35.6 gal/hr;
 - i. 650 kW Temporary Replacement Diesel Engine Generator (DEG), Caterpillar, model D398, (1964), SN 066B01057, fired on diesel fuel oil no. 2 at 47.9 gal/hr; and
 - j. 810 kW Temporary Replacement Diesel Engine Generator (DEG), Cummins, model QST30-G2, (2004), SN L030542477, fired on diesel fuel oil no. 2 at 53.0 gal/hr.

(Auth.: HAR §11-60.1-3)

2. An identification tag or name plate shall be displayed on the drum mixer, baghouse, hot oil heater, and the 455 kW, 650 kW, and 810 kW diesel engine generators to show model no., serial no., and manufacturer. The identification tag or name plate shall be permanently attached to the equipment in a conspicuous location.

(Auth.: HAR §11-60.1-5)

Section B. Applicable Federal Regulations

1. The asphalt concrete plant is subject to the provisions of the following federal regulations:
 - a. 40 CFR Part 60, Standards of Performance for New Stationary Sources, Subpart A, General Provisions; and
 - b. 40 CFR part 60, Standards of Performance for New Stationary Sources, Subpart I, Standards of Performance for Hot Mix Asphalt Facilities.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161; 40 CFR §60.1, §60.90)¹

2. The permittee shall comply with all applicable provisions of these standards, including all emission limits and all notifications, testing, monitoring, and reporting requirements. The major requirements of these standards are detailed in the Special conditions of this permit.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161; 40 CFR §60.1, §60.90)¹

Section C. Operational Limitations

1. Hourly, Fuel, and Process Limits

- a. The total operating hours of the 455 kW diesel engine generator and asphalt concrete drum mixer/dryer shall not exceed 2,500 hours in any rolling twelve (12) month period.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

- b. The total operating hours of the asphalt concrete plant's hot oil heater shall not exceed 6,000 hours in any rolling twelve (12) month period.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

- c. The diesel engine generator, drum mixer/dryer, and hot oil heater shall be fired only on fuel oil no. 2 with a maximum sulfur content not to exceed 0.5% by weight.

(Auth.: HAR §11-60.1-3, §11-60.1-38, §11-60.1-90)

2. Air Pollution Controls

- a. The asphalt concrete plant shall not discharge or cause the discharge into the atmosphere from the baghouse servicing the drum mixer/dryer, particulate matter in excess of 90 mg/dscm (0.04 gr/dscf).

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161; 40 CFR §60.92)¹

- b. The asphalt concrete plant's baghouse shall be maintained in good operating condition and be utilized at all times during the operation of the drum mixer/dryer. The normal pressure drop across the baghouse shall be established and maintained in the annual performance tests conducted pursuant to this Attachment, Section F, and may be incorporated into the permit.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

- c. The permittee shall take measures to control fugitive dust (e.g., wet suppression, enclosures, etc.) at all material transfer points, throughout the workyard, and at the stockpiles. The Department of Health may at any time require the permittee to further abate fugitive dust emissions if an inspection indicates poor or insufficient control.

(Auth.: HAR §11-60.1-3, §11-60.1-33, §11-60.1-90)

- d. A water spray truck shall be maintained and utilized on the grounds of the facility to minimize the fugitive dust from vehicle traffic, stockpiles, and material transfer (including loading and unloading operations).

(Auth.: HAR §11-60.1-3, §11-60.1-33, §11-60.1-90)

3. Visible Emissions

- a. The permittee shall not cause or permit fugitive dust to become airborne without taking reasonable precautions and shall not cause or permit the discharge of visible emissions of fugitive dust beyond the lot line of the property boundary on which the emissions originate.

(Auth.: HAR §11-60.1-3, §11-60.1-33, §11-60.1-90)

- b. For any six (6) minute averaging period, the 455 kW diesel engine generator, drum mixer/dryer, and hot oil heater shall not exhibit visible emissions of twenty (20) percent or greater, except as follows: during startup, shutdown, or equipment breakdown, the 455 kW diesel engine generator, drum mixer/dryer, and hot oil heater, may exhibit visible emissions greater than twenty (20) but not exceeding sixty (60) percent opacity for a period aggregating not more than six (6) minutes in any sixty (60) minutes.

(Auth.: HAR §11-60.1-3, §11-60.1-32, §11-60.1-90; SIP §11-60-24)²

4. Alternate Operating Scenario

The permittee may replace the plant's primary diesel engine generator with a temporary replacement unit, as specified below, if repair work reasonably warrants removal (i.e., equipment failure, engine overhaul, or any other major problems requiring maintenance of the engine for efficient operation) of the primary unit, provided the following provisions are adhered to:

- a. A written notification is submitted in accordance with Attachment II, Special Condition No. E.7.a, and approval is obtained by the Department of Health prior to exchanging the primary unit with another unit. The notification shall include removal and return dates, and details on the make, size, model and serial numbers for both the temporary replacement unit and the primary unit. The replacement unit shall be one of the following diesel engine generators:

- i. Cummins, model QST30-G2, 810 kW capacity.
 - ii. Caterpillar, model D398, 650 kW capacity.
 - iii. Another unit that discharges equal or less emissions than that of the Cummins unit listed above.
- c. The temporary replacement engine complies with all applicable conditions required for the primary equipment, including all operating restrictions and emissions limits.
- d. The primary diesel engine generator will be repaired and returned to service in a timely manner.
- e. Written notification for returning the primary diesel engine generator to service is submitted to the Department of Health in accordance with Attachment II, Special Condition No. E.7.b.

(Auth.: HAR §11-60.1-5 and §11-60.1-90)

Section D. Monitoring and Recordkeeping

All records, including support information, shall be maintained for at least five (5) years from the date of the monitoring sample, measurement, test, report, or application. Support information includes maintenance, inspection, and repair records of the permitted equipment. These records shall be in a permanent form suitable for inspection and made available to the Department of Health or its authorized representative upon request.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90)

1. Baghouse

- a. A pressure drop gauge shall be installed, operated, and maintained on the baghouse, to measure the pressure drop (in H₂O) across the baghouse.
- b. The permittee shall follow a regular inspection and maintenance schedule to ensure the following items of the baghouse are operating properly:
 - i. The filter bags are checked for any tears, holes, abrasions and scuffs; and replaced as needed;
 - ii. The cleaning system is maintained and operated at sufficient intervals to minimize particulate buildup or caking on the filter bags; and
 - iii. Other miscellaneous items/equipment essential for the effective operation of the fabric filter are maintained.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-11, §11-60.1-90)

2. Operating Limitations

- a. The permittee shall operate and maintain a non-resetting hour meter on the primary 455 kW and the temporary replacement diesel engine generators for the permanent recording of the number of hours operated by the diesel engine generators. The total combined operating hours of the diesel engine generators shall represent the total amount of hours the asphalt concrete plant's drum mixer/dryer has operated for the purpose of the hourly limitation specified in this Attachment, Section C, Condition No. 1.a.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-11, §11-60.1-90)

- b. The permittee shall operate and maintain a non-resetting hour meter on the hot oil heater. The meter shall permanently record the total number of hours operated by the hot oil heater for the purpose of the hourly limitation specified in this Attachment, Section C, Condition No. 1.b.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-11, §11-60.1-90)

3. Visible Emissions (V.E.) Monitoring

- a. Except in those months when V.E. observations are conducted by a certified reader for the annual observations of the diesel engine generator and hot oil heater, the permittee shall conduct **monthly** (*calendar month*) V.E. observations for the hot oil heater and the diesel engine generator in accordance with Method 9 or by use of a Ringelmann Chart as provided. For the monthly observation for the hot oil heater and diesel engine generator, two (2) consecutive six (6) minute observations shall be taken at fifteen (15) second intervals. Records shall be completed and maintained in accordance with the *Visible Emissions Form Requirements*.
- b. Except in those months where a performance test is conducted for the drum mixer/dryer pursuant to this Attachment, Section F, **monthly** (*calendar month*) V.E. observations shall be performed for the drum mixer/dryer. Observations shall be performed in accordance with Method 9, or by the use of a Ringelmann Chart as provided. For the monthly observation for the drum mixer/dryer, two (2) consecutive six (6) minute observations shall be taken at fifteen (15) second intervals. Records shall be completed and maintained in accordance with the *Visible Emissions Form Requirements*.
- c. The permittee shall conduct **annually** (*calendar year*) V.E. observations for the hot oil heater and diesel engine generator by a certified reader in accordance with Method 9. For the annual observation for each equipment, two (2) consecutive six (6) minute observations shall be taken at fifteen (15) second intervals. Records shall be completed and maintained in accordance with the *Visible Emissions Form Requirements*.

- d. Upon written request and justification by the permittee, the Department of Health may waive the requirement for a specific annual V.E. observation. The waiver request is to be submitted prior to the required annual V.E. observation and must include documentation justifying such action. Documentation should include, but is not limited to, the results of the prior V.E. observations indicating compliance by a wide margin, documentation of continuing compliance, and further that operations of the source have not changed since the previous annual V.E. observation.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-90)

4. Source Performance Test

An annual source performance test shall be conducted on the exhaust stack of the asphalt concrete plant pursuant to this Attachment, Section F.

5. The permittee shall maintain records on the following:

- a. Total tons of hot mix asphalt processed on a monthly and yearly basis by the asphalt concrete plant;
- b. The number of hours the 455 kW diesel engine generator operated on a monthly and 12-month rolling basis. Monthly records shall include:
 - i. Date of meter reading;
 - ii. Beginning meter reading for each month;
 - iii. Total operating hours for each month; and
 - iv. Total operating hours on a 12-month rolling basis.
- c. The number of hours the hot oil heater operated on a monthly and 12-month rolling basis. Monthly records shall include:
 - i. Date of meter reading;
 - ii. Beginning meter reading for each month;
 - iii. Total operating hours for each month; and
 - iv. Total operating hours on a 12-month rolling basis.
- d. The following records shall be recorded for the baghouse:
 - i. Date of gauge reading(s) for the monitored parameter; and
 - ii. The pressure drop(s) across the baghouse (in H₂O) measured by the pressure gauge(s) on a weekly basis.

- e. Fuel purchase receipts, showing the fuel type, sulfur content (percent by weight), date of delivery, and amount (gallons) of fuel delivered to the site for the drum mixer/dryer, diesel engine, and hot oil heater shall be maintained. Fuel sulfur content may be demonstrated by providing the supplier's fuel specification sheet for the type of fuel purchased and received.
- f. Monthly V.E. observation monitoring results of the drum mixer/dryer, diesel engine generator, and hot oil heater.
- g. Source performance test plans, summaries, and results for the stack exhaust of the asphalt concrete plant.
- h. Equipment inspection, maintenance, and repair work. A log shall be maintained for the equipment covered under this permit. Inspection of the water spray system; replacement of parts; and repairs shall be well documented. At a minimum, the log shall include:
 - i. Date of the inspection/maintenance/repair work;
 - ii. Description of the findings and any maintenance/repair work performed; and
 - iii. The name and title of the personnel performing the inspection/work.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90)

Section E. Notification and Reporting Requirements

- 1. Notification and reporting pertaining to the following events shall be done in accordance with Attachment I, Standard Condition Nos. 16, 17 and 25, respectively:
 - a. Intent to shut down air pollution control equipment for necessary scheduled maintenance;
 - b. Emissions of air pollutants in violation of HAR, Chapter 11-60.1 or this permit (excluding technology-based emission exceedances due to emergencies); and
 - c. Permanent discontinuance of construction, modification, relocation, or operation of the facility covered by this permit.

(Auth.: HAR §11-60.1-8, §11-60.1-15, §11-60.1-16, §11-60.1-90; SIP §11-60-10, §11-60-16)²

2. Deviations

The permittee shall report in writing **within five (5) working days** *any deviations from the permit requirements*, including those attributable to upset conditions, the probable cause of such deviations and any corrective actions or preventive measures taken. Corrective actions may include a requirement for additional performance testing, more frequent monitoring, or the implementation of a corrective action plan.

(Auth.: HAR §11-60.1-3, §11-60.1-15, §11-60.1-16, §11-60.1-90)

3. Performance Test

- a. **At least thirty (30) days prior to conducting a performance test** for the stack exhaust of the asphalt concrete plant, the permittee shall submit a written performance test plan in accordance with this Attachment, Special Condition No. F.6.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, 40 CFR 60.8, SIP §11-60-15)^{1,2}

- b. Written reports of the results of all source performance tests conducted to demonstrate compliance shall be submitted to the Department of Health **within sixty (60) days after the completion of the performance test**, and shall be in conformance with this Attachment, Section F, Condition No. 8.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161; 40 CFR 60.676)¹

4. Monitoring Results

The permittee shall submit **semi-annually** the following written reports to the Department of Health. The reports shall be submitted **within sixty (60) days after the end of each semi-annual calendar period (January 1 to June 30 and July 1 to December 31)**, and shall include the following:

- a. Identify the type of fuel fired in the drum mixer/dryer, hot oil heater, and diesel engine generator during the respective reporting period. Include the maximum sulfur content (% by weight) of the fuel fired;
- b. Total operating hours of the diesel engine generator on a monthly and 12-month rolling basis;
- c. Total operating hours of the hot oil heater on a monthly and 12-monthly rolling basis; and

- d. Identify any opacity exceedances as determined by the visible emissions monitoring for the drum mixer, hot oil heater, and diesel engine generator. Each exceedance reported shall include the date, six (6) minute average opacity reading, possible reason for exceedance, duration of exceedance, and corrective actions taken. If there were no exceedances, the permittee shall submit in writing a statement indicating that there were no exceedances for that semi-annual period.

The enclosed Monitoring Report Forms: "**Operating Hours and Fuel Certification Asphalt Plant**" and "**Visible Emissions**," shall be used.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

5. Compliance Certification

During the permit term, the permittee shall submit at least **annually** to the Department of Health and U.S. EPA Region 9, the *Compliance Certification Form* pursuant to HAR, Subsection 11-60.1-86. The permittee shall indicate whether or not compliance is being met with each term or condition of this permit. The compliance certification shall include, at a minimum, the following information:

- a. The identification of each term or condition of the permit that is the basis of the certification;
- b. The compliance status;
- c. Whether compliance was continuous or intermittent;
- d. The methods used for determining the compliance status of the source currently and over the reporting period;
- e. Any additional information indicating the source's compliance status with any applicable enhanced monitoring and compliance certification including the requirements of Section 114 (a) (3) of the Clean Air Act or any applicable monitoring and analysis provisions of Section 504(b) of the Clean Air Act; and
- f. Any additional information as required by the Department of Health including information to determine compliance.

*The compliance certification shall be submitted **within ninety (90) days after the end of each calendar year**, and shall be signed and dated by the responsible official or an authorized representative.*

Upon written request of the permittee, the deadline for submitting the compliance certification may be extended, if the Department of Health determines that reasonable justification exists for the extension.

(Auth.: HAR §11-60.1-4, §§11-60.1-86, §§11-60.1-90)

6. Annual Emissions

As required by Attachment IV, and in conjunction with the requirements of Attachment III, Annual Fee Requirements, the permittee shall report **annually** the total tons/year emitted of each regulated air pollutant, including hazardous air pollutants. The reporting of annual emissions is due **within sixty (60) days following the end of each calendar year.**

Upon the written request of the permittee, the deadline for reporting of annual emissions may be extended, if the Department of Health determines that reasonable justification exists for the extension.

For the asphalt concrete operations, the enclosed Annual Emissions Report Form: **"Asphalt Plant Production,"** shall be used.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

7. Alternate Operating Scenario

For interchanging the 455 kW primary diesel engine generator with a replacement unit, the permittee shall submit:

- a. A written notification prior to exchanging the primary equipment with a temporary replacement unit. The notification shall identify the reason(s) for the replacement, replacement and primary engine serial numbers, replacement engine specifications and model and serial numbers, the estimated emissions (tons per year, pounds per hour, and grams per second) for the temporary replacement unit, and an ambient air quality impact assessment, if requested, for the temporary unit replacement.
- b. Written notification **within fifteen (15) days** after removing the replacement engine and returning the primary diesel engine generator to service. The notification shall identify the beginning and ending dates of operation for the primary diesel engine generator and temporary replacement unit. The notification shall also include the number of hours of operation of the replacement unit, and this hour amount shall be included in the *Monitoring Report Form: Operating Hours and Fuel Certification*.

(Auth.: HAR §11-60.1-5 and §11-60.1-90)

Section F. Testing Requirements

1. The permittee shall conduct or cause to be conducted performance tests on the stack exhaust stack of the 300 tph asphalt concrete plant on an **annual** (*calendar year*) basis. Performance tests shall be conducted for particulate matter (PM) and opacity.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, §11-60.1-161; 40 CFR 60.8, 40 CFR 60.93)¹

2. The performance tests for the emissions of particulate matter and the determination of opacity shall be conducted and results reported in accordance with the test methods set forth in 40 CFR Part 60 Appendix A and 40 CFR Part 60.8. The following test methods or U.S. EPA-approved equivalent methods with written consent from the Department of Health shall be used:
 - a. Performance test for the emissions of particulate matter shall be conducted using 40 CFR Part 60, Methods 1-5. For Method 5, the sampling time for each run shall be at least sixty (60) minutes and the minimum sample volume shall be at least 0.90 dscm (31.8 dscf); and
 - b. Performance tests to determine the opacity shall be conducted using 40 CFR Part 60 Method 9.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, §11-60.1-161; 40 CFR 60.8, 40 CFR 60.93)¹

3. Note that method 5 cannot be used under the following conditions:
 - a. Cyclonic or swirly gas flow at the sampling location;
 - b. Stack duct with a diameter less than 12 inches or a cross-sectional area less than 113 square inches; or
 - c. Sampling location less than two stack or duct diameters downstream or less than a half diameter upstream from a flow disturbance.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, §11-60.1-161; 40 CFR 60 App. A)¹

4. Particulate emissions shall be reported in two categories:
 - a. Front half (filter probe); and

- b. Front and back half (probe, filter and impingers). When conducting back half clean-up, all connectors and tubing of the back half sampling train up to and including the first impinger shall be properly rinsed with acetone. Connecting glassware after the first impinger and the other impingers shall be rinsed with water. All rinses shall be included in the analysis for the back half.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, §11-60.1-161; 40 CFR 60 App. A)¹

- 5. The performance test for the emissions of particulate matter shall consist of three (3) separate runs using the applicable test method. For the purpose of determining compliance with an applicable regulation, the arithmetic mean of the results from the three (3) runs shall apply:
 - a. For each run, the asphalt concrete production rate in tons/hour shall be provided. The permittee shall document the methodology by which the asphalt concrete production rate was determined; and
 - b. The pressure drop across the baghouse, in inches of water, shall be recorded and reported for each run. There shall be one reading per run unless the value changes, then the reading shall be continuous.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90; §11-60.1-161, 40 CFR 60 App. A, SIP 11-60-15)^{1,2}

- 6. **At least thirty (30) days prior to conducting the performance test**, the owner or operator shall submit a written performance test plan to the Department of Health that includes date(s) of the test, test duration, test locations, test methods, source operation, locations of visible emissions readings, and other parameters that may affect the test results. Such a plan shall conform to U.S. EPA guidelines including quality assurance procedures. A test plan or quality assurance plan that does not have the approval of the Department of Health may be grounds to invalidate any test and require a retest.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, 40 CFR 60.8, SIP §11-60-15)^{1,2}

- 7. The performance tests shall be made at the expense of the permittee and shall be conducted at the maximum expected operating capacity of the asphalt concrete plant. All performance tests may be monitored by the Department of Health.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, SIP 11-60-15)²

8. **Within sixty (60) days after** completion of the performance test, the permittee shall submit to the Department of Health the test report which shall include the operating conditions (e.g., operating rate tons/hour, pressure drop readings, etc.) of the asphalt concrete plant, the summarized test results, comparative results with the permit emissions limits, and other pertinent field and laboratory data.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90)

9. Upon written request and justification, the Department of Health may waive the requirement for, or a portion of, a specific performance test. The waiver request is to be submitted prior to the required test and must include documentation justifying such action. Documentation should include, but is not limited to, the results of the prior performance test indicating compliance by a wide margin, documentation of continuing compliance, and further that operations of the source have not changed since the previous test.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90)

10. Any deviations from these conditions, test methods, or procedures may be cause for rejection of the test results unless such deviations are approved by the Department of Health before the tests.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90)

Section G. Agency Notification

Any document (including reports) required to be submitted by this permit shall be done in accordance with Attachment I, Standard Condition No. 29.

(Auth.: HAR §11-60.1-4, §11-60.1-90)

¹ The citations to the Code of Federal Regulations (CFR) identified under a particular condition, indicate that the permit condition complies with the specified provision(s) of the CFR. Due to the integration of the preconstruction and operating permit requirements, permit conditions may incorporate more stringent requirements than those set forth in the CFR.

² The citations to the State Implementation Plan (SIP) identified under a particular condition, indicate that the permit condition complies with the specified provision(s) of the SIP

**ATTACHMENT II - INSIG: SPECIAL CONDITIONS
INSIGNIFICANT ACTIVITIES
COVERED SOURCE PERMIT NO. 0464-01-C**

[Issuance Date]

[Expiration Date]

In addition to the Standard Conditions of the Covered Source Permit, the following Special Conditions shall apply to the permitted facility:

Section A. Equipment Description

This attachment encompasses insignificant activities listed in HAR, §11-60.1-82(f) and (g) for which provisions of this permit and HAR, Subchapter 2, General Prohibitions apply.

(Auth.: HAR §11-60.1-3)

Section B. Operational Limitations

1. The permittee shall take measures to operate applicable insignificant activities in accordance with the provisions of HAR, Subchapter 2 for visible emissions, fugitive dust, incineration, process industries, sulfur oxides from fuel combustion, storage of volatile organic compounds, volatile organic compound water separation, pump and compressor requirements, and waste gas disposal.

(Auth.: HAR §11-60.1-3, §11-60.1-82, §11-60.1-90)

2. The Department of Health may at any time require the permittee to further abate emissions if an inspection indicates poor or insufficient controls.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-82, §11-60.1-90)

Section C. Monitoring and Recordkeeping Requirements

1. The Department of Health reserves the right to require monitoring, recordkeeping, or testing of any insignificant activity to determine compliance with the applicable requirements.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

2. All records shall be maintained for at least five (5) years from the date of any required monitoring, recordkeeping, testing, or reporting. These records shall be in a permanent form suitable for inspection and made available to the Department of Health or their authorized representative upon request.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90)

Section D. Notification and Reporting

Compliance Certification.

During the permit term, the permittee shall submit at least **annually** to the Department of Health and U.S. EPA Region 9, the Compliance Certification Form pursuant to HAR, Subsection 11-60.1-86. The permittee shall indicate whether or not compliance is being met with each term or condition of this permit. The compliance certification shall include, at a minimum, the following information:

- a. The identification of each term or condition of the permit that is the basis of the certification;
- b. The compliance status;
- c. Whether compliance was continuous or intermittent;
- d. The methods used for determining the compliance status of the source currently and over the reporting period; and
- e. Any additional information as required by the Department of Health including information to determine compliance.

In lieu of addressing each emission unit as specified in the Compliance Certification Form, the permittee may address insignificant activities as a single unit provided compliance is met with all applicable requirements. If compliance is not totally attained, the permittee shall identify the specific insignificant activity and provide the details associated with the noncompliance.

The compliance certification shall be submitted **within ninety (90) days after** the end of each calendar year, and shall be signed and dated by a responsible official or authorized representative.

Upon written request of the permittee, the deadline for submitting the compliance certification may be extended, if the Department of Health determines that reasonable justification exists for the extension.

(Auth.: HAR §11-60.1-4, §11-60.1-86, §11-60.1-90)

PROPOSED

**ATTACHMENT III: ANNUAL FEE REQUIREMENTS
COVERED SOURCE PERMIT NO. 0464-01-C**

[Issuance Date]

[Expiration Date]

The following requirements for the submittal of annual fees are established pursuant to Hawaii Administrative Rules (HAR), Title 11, Chapter 60.1, Air Pollution Control. Should HAR, Chapter 60.1 be revised such that the following requirements are in conflict with the provisions of HAR, Chapter 60.1, the permittee shall comply with the provisions of HAR, Chapter 60.1:

1. Annual fees shall be paid in full:
 - a. **Within sixty days** after the end of each calendar year; and
 - b. **Within thirty days** after the permanent discontinuance of the covered source.
2. The annual fees shall be determined and submitted in accordance with Hawaii Administrative Rules, Chapter 11-60.1, Subchapter 6.
3. The annual emissions data for which the annual fees are based shall accompany the submittal of any annual fees and submitted on forms furnished by the Department of Health.
4. The annual fees and the emission data shall be mailed to:

**Clean Air Branch
Environmental Management Division
Hawaii Department of Health
P. O. Box 3378
Honolulu, HI 96801-3378**

PROPOSED

**ATTACHMENT IV: ANNUAL EMISSIONS REPORTING REQUIREMENTS
COVERED SOURCE PERMIT NO.: 0464-01-C**

[Issuance Date]

[Expiration Date]

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the nature and amounts of emissions.

1. Complete the attached Annual Emissions Report Form: ***"Asphalt Plant Production."***
2. The reporting period shall be from January 1 to December 31 of each year. All reports shall be submitted to the Department of Health **within sixty (60) days after the end of each calendar year** and shall be mailed to the following address:

**Clean Air Branch
Environmental Management Division
Hawaii Department of Health
P. O. Box 3378
Honolulu, HI 96801-3378**

3. The permittee shall retain the information submitted, including all emission calculations. These records shall be in a permanent form suitable for inspection, retained for a minimum of five (5) years, and made available to the Department of Health upon request.
4. Any information submitted to the Department of Health without a request for confidentiality shall be considered public record.
5. In accordance with HAR, Section 11-60.1-14, the permittee may request confidential treatment of specific information, including information concerning secret processes or methods of manufacture, by submitting a written request to the Department of Health and clearly identifying the specific information that is to be accorded confidential treatment.

PROPOSED

**COMPLIANCE CERTIFICATION FORM
COVERED SOURCE PERMIT NO. 0464-01-C
(PAGE 1 OF 2)**

[Issuance Date]

[Expiration Date]

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the following certification at least annually, or more frequently as set by an applicable requirement:

(Make Copies for Future Use)

For Period: _____ Date: _____

Facility Name: _____

I certify that I have knowledge of the facts herein set forth, that the same are true, accurate and complete to the best of my knowledge and belief, and that all information not identified by me as confidential in nature shall be treated by Department of Health as public record. I further state that I will assume responsibility for the construction, modification, or operation of the source in accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, and any permit issued thereof.

Responsible Official (Print): _____

TITLE: _____

Responsible Official (Signature): _____

Complete the following information for **each** term or condition of the permit that applies to **each** emissions unit at the source. Also include any additional information as required by the director. The compliance certification may reference information contained in a previous compliance certification submittal to the director, provided such referenced information is certified as being current and still applicable.

1. Current permit number: _____

2. Emissions Unit No./Description: _____

3. Identify the permit term(s) or condition(s) that is/are the basis of this certification:

4. Compliance status during the reporting period:

a. Has the emissions unit been in compliance with the identified permit term(s) or condition(s)?

☐ YES

☐ NO

b. If YES, was compliance continuous or intermittent?

☐ Continuous

☐ Intermittent

PROPOSED

**COMPLIANCE CERTIFICATION FORM
COVERED SOURCE PERMIT NO. 0464-01-C
(CONTINUED, PAGE 2 OF 2)**

[Issuance Date]

[Expiration Date]

- c. If NO, explain.

5. The methods used for determining the compliance status of the emissions unit currently and over the reporting period (e.g., monitoring, recordkeeping, reporting, test methods, etc.):

Provide a detailed description of the methods used to determine compliance: (e.g., monitoring device type and location, test method description, or parameter being recorded, frequency of recordkeeping, etc.):

6. Statement of Compliance with Enhanced Monitoring and Compliance Certification Requirements.

- a. Is the emissions unit identified in this application in compliance with applicable enhanced monitoring and compliance certification requirements?

☐ YES

☐ NO

- b. If YES, identify those requirements:

- c. If NO, describe below which requirements are not being met:

**ANNUAL EMISSIONS REPORT FORM
ASPHALT PLANT PRODUCTION
COVERED SOURCE PERMIT NO. 0464-01-C
(PAGE 1 OF 2)**

[Issuance Date]

[Expiration Date]

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the nature and amounts of emissions.

(Make Copies for Future Use)

For Period: _____ Date: _____

Company Name: _____

Facility Name: _____

Equipment Location: _____

I certify that I have knowledge of the facts herein set forth, that the same are true, accurate, and complete to the best of my knowledge and belief, and that all information not identified by me as confidential in nature shall be treated by the Department of Health as public record.

Responsible Official (PRINT): _____

TITLE: _____

Responsible Official Signature: _____

Asphalt Plant Type:

Rated Capacity (specify units):

☐ Batch Hot-Mix

☐ Continuous Hot-Mix

☐ Dryer-Drum

Equipment ¹	Serial Number	Type of Fuel ²	Fuel Usage (gal/year)	% Sulfur Content by weight	Identify % Nitrogen, % Ash, & % Lead, if applicable
Drum mixer/dryer					
Hot oil heater					
Diesel engine gen.					

¹ Equipment: List all fuel burning equipment associated with the asphalt plant. For example, diesel engine generators, hot oil heaters, etc.

² Types of Fuel: • Residual Oil: Specify Grade, No. 6, 5, or 4; • Liquefied Petroleum Gas, Butane or Propane;
 • Distillate Oil (No. 2); • If Other, specify.

Type of Air Pollution Control	In Use? ³	Pollutant Controlled	% Reduction
_____	<u>Yes or No</u>	_____	_____
_____	<u>Yes or No</u>	_____	_____
_____	<u>Yes or No</u>	_____	_____

³ If air pollution control was not in use, submit written information describing the situation.

PROPOSED

**ANNUAL EMISSIONS REPORT FORM
ASPHALT PLANT PRODUCTION
(CONTINUED, PAGE 2 OF 2)**

MONTH	Average Production Rate (ton/hr)	Total Monthly Production (tons/month)	Notes
January			
February			
March			
April			
May			
June			
July			
August			
September			
October			
November			
December			
Total			

PROPOSED

**MONITORING REPORT FORM
OPERATING HOURS AND FUEL CERTIFICATION - ASPHALT PLANT
COVERED SOURCE PERMIT NO. 0464-01-C
(PAGE 1 OF 2)**

[Issuance Date]**[Expiration Date]**

In accordance with the HAR, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the following information semi-annually:

(Make Copies for Future Use)

For Period: _____ Date: _____

Company Name: _____

Facility Name: _____

Equipment Location: _____

Equipment Description: _____

Serial/ID No.: _____

I certify that I have knowledge of the facts herein set forth, that the same are true, accurate, and complete to the best of my knowledge and belief, and that all information not identified by me as confidential in nature shall be treated by the Department of Health as public record.

Responsible Official (Print): _____

TITLE: _____

Responsible Official (Signature): _____

1. 455 kW Diesel Engine Generator Hours of Operation for the Reporting Period.

Month	Monthly Hours of Operation (hours)	Total Hours of Operation 12-Month Rolling Basis (hours)	Notes ¹
January			
February			
March			
April			
May			
June			
July			
August			
September			
October			
November			
December			

¹ Indicate the number of hours of operation of any replacement DEG during any month.

PROPOSED

**MONITORING REPORT FORM
OPERATING HOURS AND FUEL CERTIFICATION – ASPHALT PLANT
(CONTINUED, PAGE 2 OF 2)**

2. Hot Oil Heater Hours of Operation for the Reporting Period.

Month	Monthly Hours of Operation (hours)	Total Hours of Operation 12-Month Rolling Basis (hours)	Notes
January			
February			
March			
April			
May			
June			
July			
August			
September			
October			
November			
December			

3. Fuel Certification for the Reporting Period.

Equipment Description	Type of Fuel Fired	% Sulfur Content by Weight
455 kW Caterpillar Diesel Engine Generator		
Drum Mixer/Dryer		
Hot Oil Heater		

- If not already on file at the Department of Health, provide the supplier's fuel specification sheet for the type of fuel indicated in the above table. The fuel specification sheet shall indicate the % sulfur content by weight.

PROPOSED

**MONITORING REPORT FORM
VISIBLE EMISSIONS
COVERED SOURCE PERMIT NO. 0464-01-C**

[Issuance Date]

[Expiration Date]

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the following information semi-annually:

(Make Copies for Future Use)

For Period: _____ Date: _____

Facility Name: _____

I certify that I have knowledge of the facts herein set forth, that the same are true, accurate, and complete to the best of my knowledge and belief, and that all information not identified by me as confidential in nature shall be treated by the Department of Health as public record.

Responsible Official (Print): _____

TITLE: _____

Responsible Official (Signature): _____

Visible Emissions:

Report the following on the lines provided below: all date(s) and six (6) minute average opacity reading(s) which the opacity limit was exceeded during the monthly observations; or if there were no exceedances during the monthly observations, then write "no exceedances" in the comment column.

EQUIPMENT	SERIAL/ID NO.	DATE	6 MIN. AVER. (%)	COMMENTS

PROPOSED

VISIBLE EMISSIONS FORM REQUIREMENTS STATE OF HAWAII COVERED SOURCE PERMIT NO. 0464-01-C

[Issuance Date]

[Expiration Date]

The following Visible Emissions (V.E.) Form shall be completed **monthly** (*each calendar month*) for each equipment subject to opacity limits in accordance with Method 9 or by use of a Ringelmann Chart as provided. At least **annually** (*calendar year*), V.E. observations shall be conducted for the hot oil heater and diesel engine generator by a certified reader in accordance with Method 9. The V.E. Form shall be completed as follows:

1. Visible emissions observations shall take place during the day only and shall be compared to the Ringelmann Chart provided. The opacity shall be noted in 5 percent increments (i.e., 25%).
2. Orient the sun within a 140 degree sector to your back. Provide a source layout sketch on the V.E. Form using the symbols as shown.
3. Stand at least three (3) stack heights, but not more than a quarter mile from the stack.
4. Two (2) consecutive six (6) minute observations shall be taken at fifteen (15) second intervals for each equipment.
5. The six (6) minute average opacity reading shall be calculated for each observation.
6. If possible, the observations shall be performed as follows:
 - a. Read from where the line of sight is at right angles to the wind direction.
 - b. The line of sight shall not include more than one (1) plume at a time.
 - c. Read at the point in the plume with the greatest opacity (without condensed water vapor), ideally while the plume is no wider than the stack diameter.
 - d. Read the plume at fifteen (15) second intervals only. Do not read continuously.
 - e. The equipment shall be operating at maximum permitted capacity.
7. If the equipment was shut-down for that period, briefly explain the reason for shut-down in the comment column.

The permittee shall retain the completed V.E. Forms for recordkeeping. These records shall be in a permanent form suitable for inspection, retained for a minimum of five (5) years, and made available to the Department of Health, or their representative upon request.

Any required initial and annual performance test performed in accordance with Method 9 by a certified reader, shall satisfy the respective V.E. monitoring requirements for the month the performance test is performed.

PROPOSED

VISIBLE EMISSIONS OBSERVATION FORM STATE OF HAWAII COVERED SOURCE PERMIT NO. 0464-01-C

[Issuance Date]

[Expiration Date]

(Make Copies for Future Use)

Company Name: _____

Equipment and Fuel: _____

Site Conditions:

Stack height above ground (ft): _____

Stack distance from observer (ft): _____

Emission color (black or white): _____

Sky conditions (% cloud cover): _____

Wind speed (mph): _____

Temperature (°F): _____

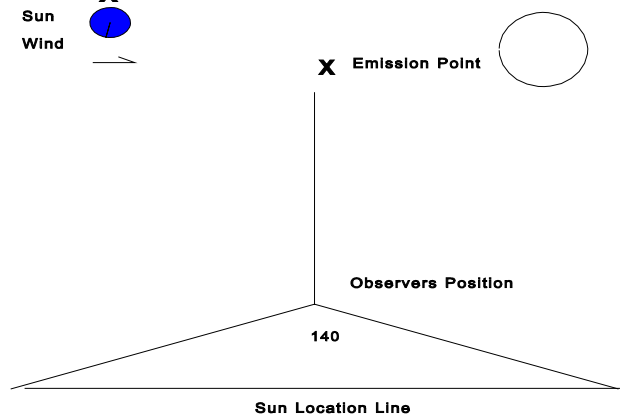
Observer Name: _____

Certified? (Yes/No): _____

Stack
Sun
Wind



Draw North Arrow



Observation Date and Start Time: _____

SECONDS	0	15	30	45	COMMENTS
MINUTES					
1					
2					
3					
4					
5					
6					
Six (6) Minute Average Opacity Reading (%):					

Observation Date and Start Time: _____

SECONDS	0	15	30	45	COMMENTS
MINUTES					
1					
2					
3					
4					
5					
6					
Six (6) Minute Average Opacity Reading (%):					